

**To:** Axelrad, Daniel[Axelrad.Daniel@epa.gov]; Deener, Kathleen[Deener.Kathleen@epa.gov]; Gwinn, Maureen[gwinn.maureen@epa.gov]; Kavlock, Robert[Kavlock.Robert@epa.gov]; Bahadori, Tina[Bahadori.Tina@epa.gov]; Burke, Thomas[Burke.Thomas@epa.gov]; Bussard, David[Bussard.David@epa.gov]; Cascio, Wayne[Cascio.Wayne@epa.gov]; Thomas, Russell[Thomas.Russell@epa.gov]  
**Cc:** Iromano@gwmail.gwu.edu[Iromano@gwmail.gwu.edu]  
**From:** Dix, David (NIH/NCATS) [V]  
**Sent:** Mon 8/22/2016 3:19:41 PM  
**Subject:** RE: Reframing Risk paper draft for review and comment  
[Reframing Chemical Risk Assessment-080816clean\\_KCD-dan djd.docx](#)  
[Cushing et al 2015 AJPH.2015.302643 racial disparity enviro health.pdf](#)

A few late revisions/additions thrown on top of Dan and Kacee's markups...

-----Original Message-----

**From:** Axelrad, Daniel [mailto:Axelrad.Daniel@epa.gov]  
**Sent:** Thursday, August 18, 2016 4:17 PM  
**To:** Deener, Kathleen; Gwinn, Maureen; Kavlock, Robert; Dix, David (NIH/NCATS) [V]; Bahadori, Tina; Burke, Thomas; Bussard, David; Cascio, Wayne; Thomas, Russell  
**Cc:** Iromano@gwmail.gwu.edu  
**Subject:** RE: Reframing Risk paper draft for review and comment

My suggestions added. Thanks!!

-----Original Message-----

**From:** Deener, Kathleen  
**Sent:** Friday, August 12, 2016 6:22 PM  
**To:** Gwinn, Maureen <gwinn.maureen@epa.gov>; Kavlock, Robert <Kavlock.Robert@epa.gov>; david.dix@nih.gov; Bahadori, Tina <Bahadori.Tina@epa.gov>; Axelrad, Daniel <Axelrad.Daniel@epa.gov>; Burke, Thomas <Burke.Thomas@epa.gov>; Bussard, David <Bussard.David@epa.gov>; Cascio, Wayne <Cascio.Wayne@epa.gov>; Thomas, Russell <Thomas.Russell@epa.gov>  
**Cc:** Iromano@gwmail.gwu.edu  
**Subject:** RE: Reframing Risk paper draft for review and comment

Maureen - thanks so much for all of your work on this! I think it's really coming together nicely. I have just a few very minor suggested edits (attached). I also really like the new figure you developed.

Kacee Deener, MPH  
Senior Science Advisor  
Office of Research and Development  
(ph) 202.564.1990 | (mobile) 202.510.1490 deener.kathleen@epa.gov

-----Original Message-----

**From:** Gwinn, Maureen  
**Sent:** Tuesday, August 09, 2016 5:46 PM  
**To:** Kavlock, Robert <Kavlock.Robert@epa.gov>; david.dix@nih.gov; Bahadori, Tina <Bahadori.Tina@epa.gov>; Deener, Kathleen <Deener.Kathleen@epa.gov>; Axelrad, Daniel <Axelrad.Daniel@epa.gov>; Burke, Thomas <Burke.Thomas@epa.gov>; Bussard, David <Bussard.David@epa.gov>; Cascio, Wayne <Cascio.Wayne@epa.gov>; Thomas, Russell <Thomas.Russell@epa.gov>  
**Cc:** Iromano@gwmail.gwu.edu  
**Subject:** Reframing Risk paper draft for review and comment

Hi all -

I've revised the reframing risk paper, based on our conversations on 7/27. Thanks to Kacee and Laura for already sharing comments and edits, which are included in the attached.

I've shifted the focus from risk assessment to public health, although the risk assessment component is definitely still included. I'm also including a draft figure for what I'm thinking of as a starting point for Fig 1 in the document (which needs to be more fleshed out), as well as some draft AOP figures Wayne put together for the public health illustrative example.

Please send comments and edits to all via email by COB August 18th. I can compile before our next meeting which I've just scheduled for Monday August 22nd at 4pm.

Thanks,

Maureen